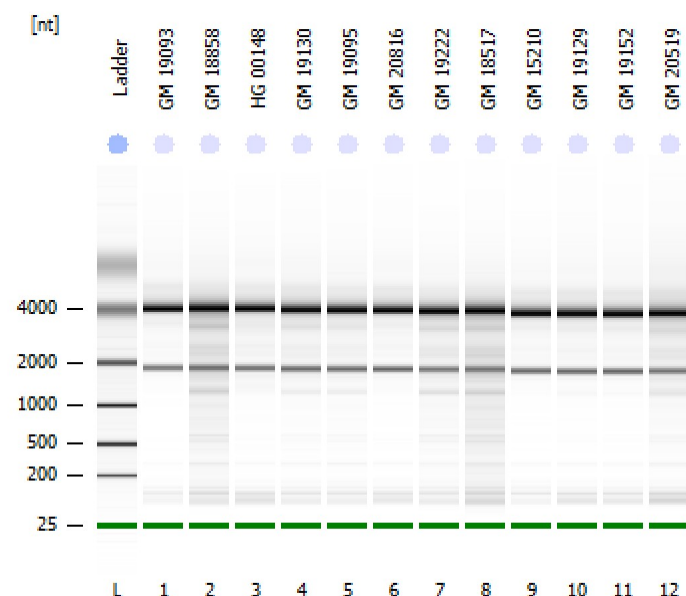


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

Created: 10/24/2011 12:14:15 PM
Modified: 10/24/2011 12:37:25 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537
Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

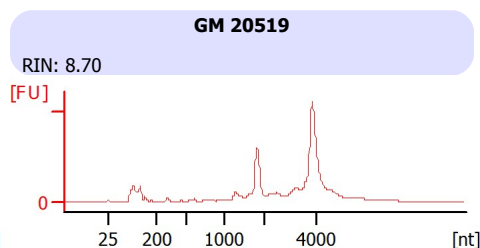
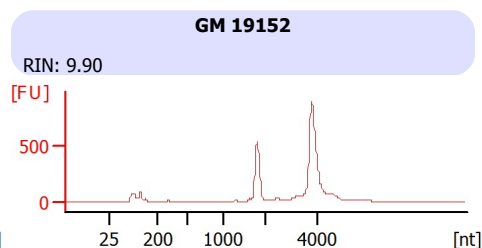
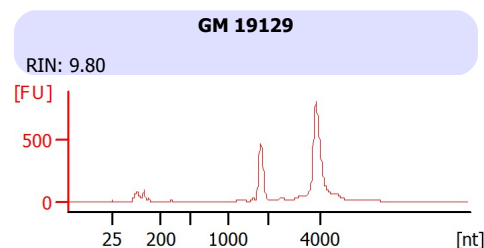
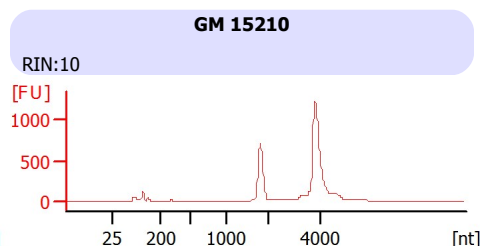
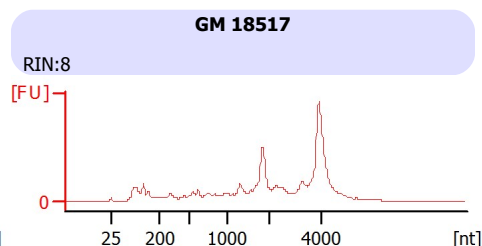
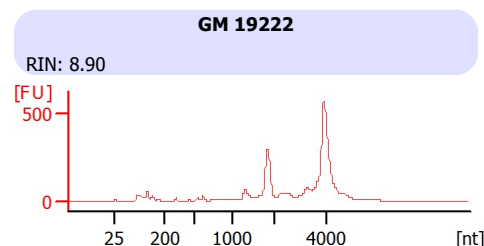
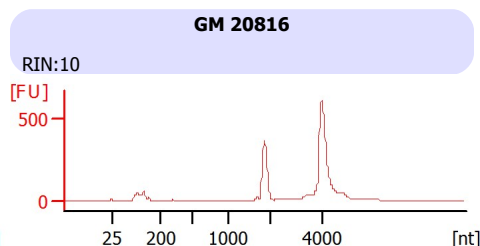
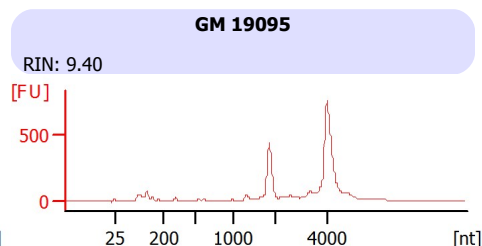
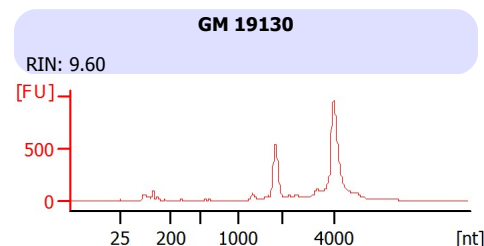
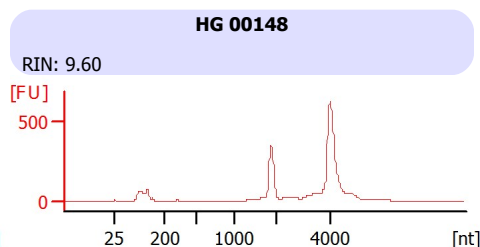
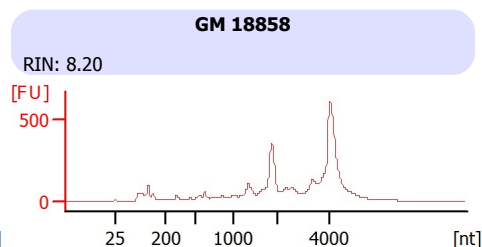
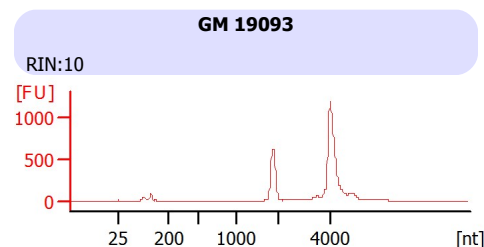
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

Created: 10/24/2011 12:14:15 PM
Modified: 10/24/2011 12:37:25 PM

Electrophoresis File Run Summary (Chip Summary)

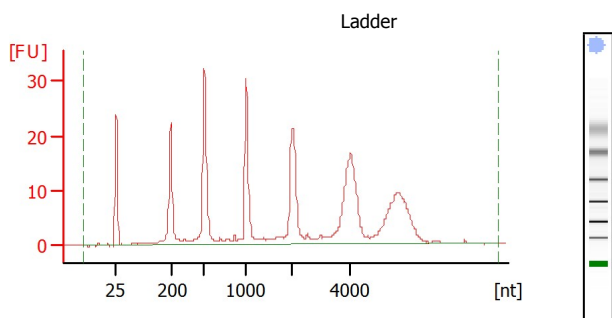
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
GM 19093		✓ RIN:10	
GM 18858		✓ RIN: 8.20	
HG 00148		✓ RIN: 9.60	
GM 19130		✓ RIN: 9.60	
GM 19095		✓ RIN: 9.40	
GM 20816		✓ RIN:10	
GM 19222		✓ RIN: 8.90	
GM 18517		✓ RIN:8	
GM 15210		✓ RIN:10	
GM 19129		✓ RIN: 9.80	
GM 19152		✓ RIN: 9.90	
GM 20519		✓ RIN: 8.70	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

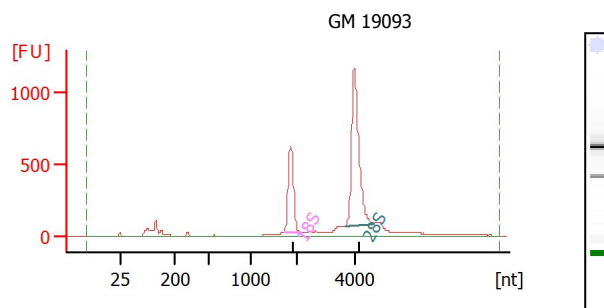
Created: 10/24/2011 12:14:15 PM
 Modified: 10/24/2011 12:37:25 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 316.4
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

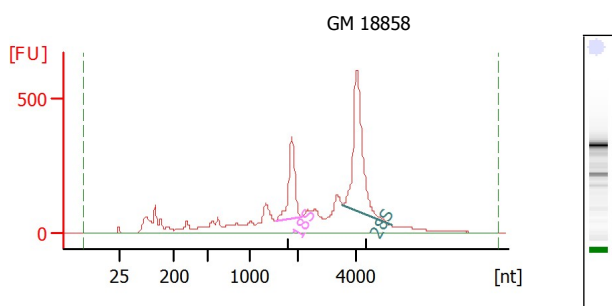


Overall Results for sample 1 : GM 19093

RNA Area: 5,191.4
 RNA Concentration: 2,461 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : GM 19093

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,176	1,018.9	19.6
28S	3,648	4,643	2,146.8	41.4

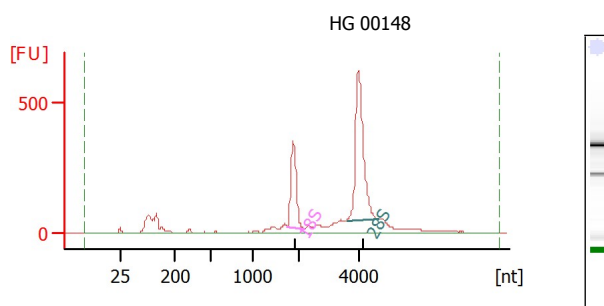


Overall Results for sample 2 : GM 18858

RNA Area: 5,618.6
 RNA Concentration: 2,664 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

Fragment table for sample 2 : GM 18858

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	2,137	577.9	10.3
28S	3,539	5,213	1,250.4	22.3



Overall Results for sample 3 : HG 00148

RNA Area: 3,484.4
 RNA Concentration: 1,652 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

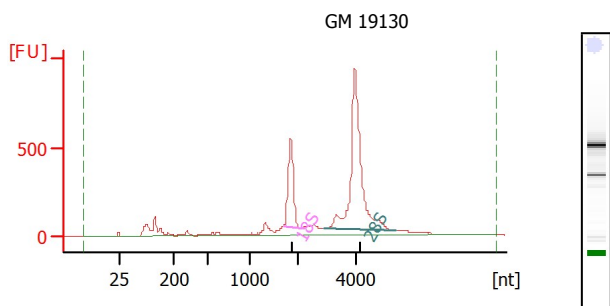
Fragment table for sample 3 : HG 00148

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,152	545.2	15.6
28S	3,595	4,680	1,182.0	33.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

Created: 10/24/2011 12:14:15 PM
 Modified: 10/24/2011 12:37:25 PM

Electropherogram Summary Continued ...

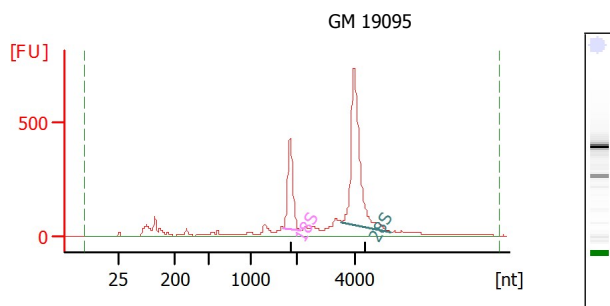


Overall Results for sample 4 : GM 19130

RNA Area: 5,571.4
 RNA Concentration: 2,641 ng/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 4 : GM 19130

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,124	838.1	15.0
28S	2,938	5,394	2,482.7	44.6

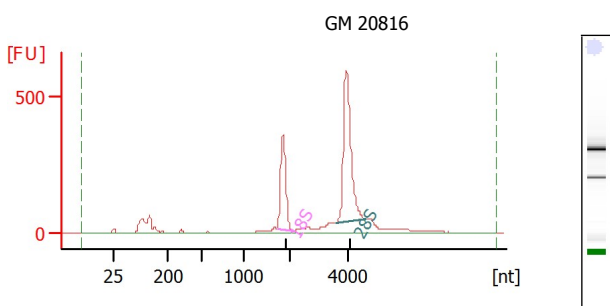


Overall Results for sample 5 : GM 19095

RNA Area: 4,214.9
 RNA Concentration: 1,998 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 5 : GM 19095

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,120	664.6	15.8
28S	3,528	5,224	1,559.0	37.0

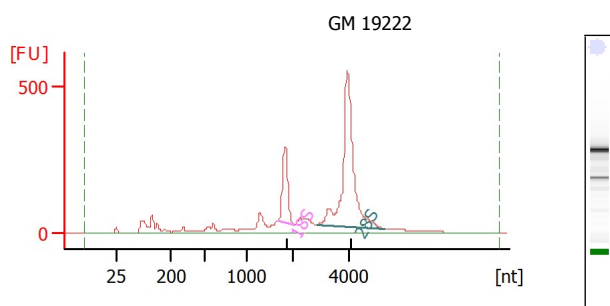


Overall Results for sample 6 : GM 20816

RNA Area: 3,016.1
 RNA Concentration: 1,430 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

Fragment table for sample 6 : GM 20816

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,129	571.1	18.9
28S	3,567	4,612	1,114.3	36.9



Overall Results for sample 7 : GM 19222

RNA Area: 3,726.8
 RNA Concentration: 1,767 ng/μl
 rRNA Ratio [28s / 18s]: 3.5
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

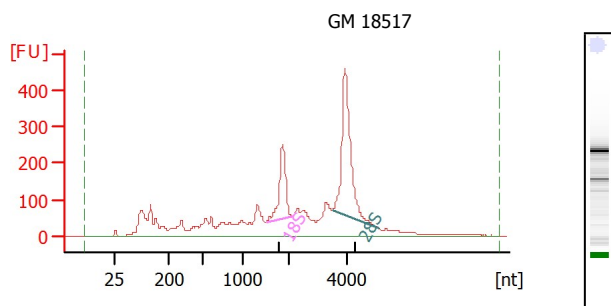
Fragment table for sample 7 : GM 19222

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	2,069	426.1	11.4
28S	2,855	5,228	1,494.7	40.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

Created: 10/24/2011 12:14:15 PM
 Modified: 10/24/2011 12:37:25 PM

Electropherogram Summary Continued ...

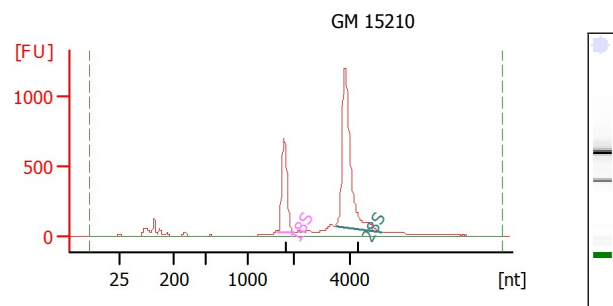


Overall Results for sample 8 : GM 18517

RNA Area: 4,725.8
 RNA Concentration: 2,240 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:8

Fragment table for sample 8 : GM 18517

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,485	2,095	430.4	9.1
28S	3,486	5,142	965.0	20.4

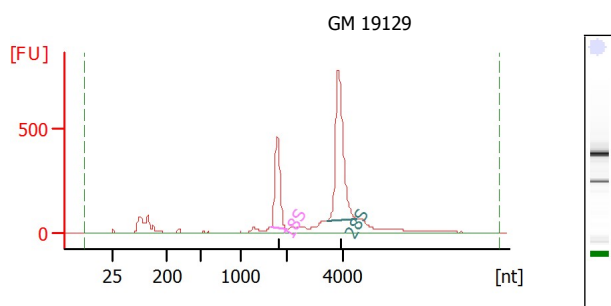


Overall Results for sample 9 : GM 15210

RNA Area: 5,809.2
 RNA Concentration: 2,754 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 9 : GM 15210

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,049	1,137.1	19.6
28S	3,473	5,118	2,606.8	44.9

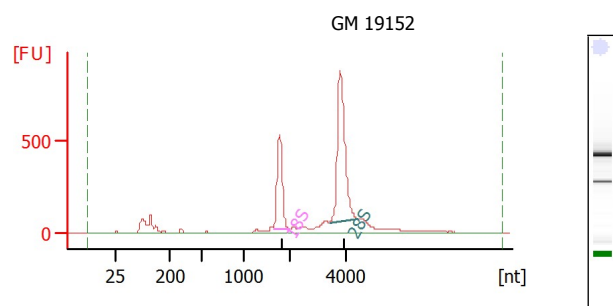


Overall Results for sample 10 : GM 19129

RNA Area: 4,249.2
 RNA Concentration: 2,014 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 10 : GM 19129

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	2,030	732.5	17.2
28S	3,420	4,469	1,532.3	36.1



Overall Results for sample 11 : GM 19152

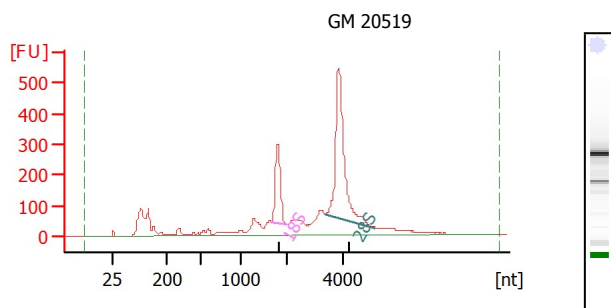
RNA Area: 4,684.2
 RNA Concentration: 2,221 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 11 : GM 19152

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	2,029	854.2	18.2
28S	3,436	4,443	1,707.0	36.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_12-14-15.xad

Created: 10/24/2011 12:14:15 PM
Modified: 10/24/2011 12:37:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 20519**

RNA Area: 4,144.8
RNA Concentration: 1,965 ng/μl
rRNA Ratio [28s / 18s]: 2.7
RNA Integrity Number (RIN): 8.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 12 : GM 20519

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,016	423.9	10.2
28S	3,360	5,134	1,151.2	27.8